

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Appl. No. 09/845,322

an optical recording section, downstream of the casing section, which exposes the light and heat sensitive recording material to visible light, which has been fed from the casing section, for recording a latent image;

a thermal developing section, downstream of the optical recording section, which develops the latent image by heating; and

an optical fixing section, downstream of the thermal developing section, which irradiates visible light for fixing a developed image.

9 (Amended). The image-recording apparatus as claimed in claim 1, wherein the light and heat sensitive recording material is provided with a light and heat sensitive recording layer containing:

a substantially colorless compound C that is encapsulated in heat-responsive microcapsules and is capable of reacting with a color-forming component A to form color; and

a photo-polymerizable composition outside the heat-responsive microcapsules, the photo-polymerizable composition including at least the color-forming component A, a photo-polymerizable compound D, and a photo-polymerization initiator.

12. An image-recording apparatus comprising:

a casing section which encases light and heat sensitive recording material;

an optical recording section, downstream of the casing section, which exposes, using at least a short wavelength light source that has an intensity maximum in a wavelength range of 300

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to 450 nm, the light and heat sensitive recording material, which has been fed from the casing section, for recording a latent image;

83 cont B2 a thermal developing section, downstream of the optical recording section, which develops the latent image by heating; and

an optical fixing section, downstream of the thermal developing section, which irradiated visible light for fixing a developed image.

Claims 17-18 are added as new claims.

C1 17 (New). The apparatus of claim 1 provided with a cutter after said optical fixing section.

Art 18 (New). The apparatus of claim 1, wherein the casing section, the optical recording section, the thermal developing section and the optical fixing section are arranged in a vertical configuration.
